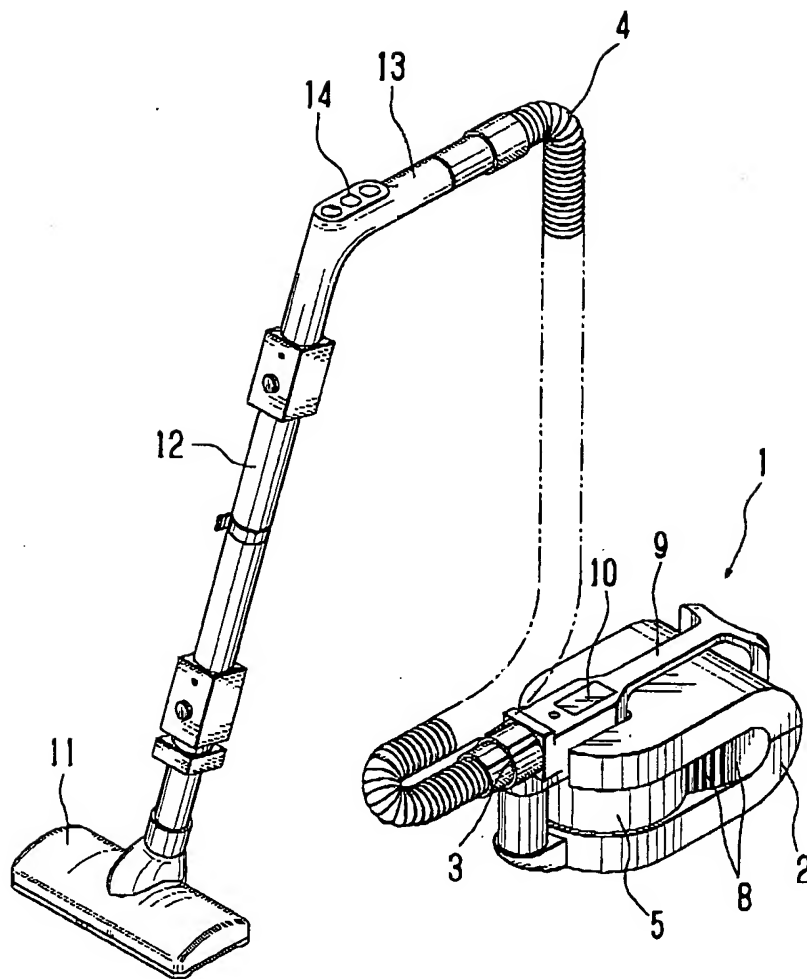


Fig. 1



25.1.7

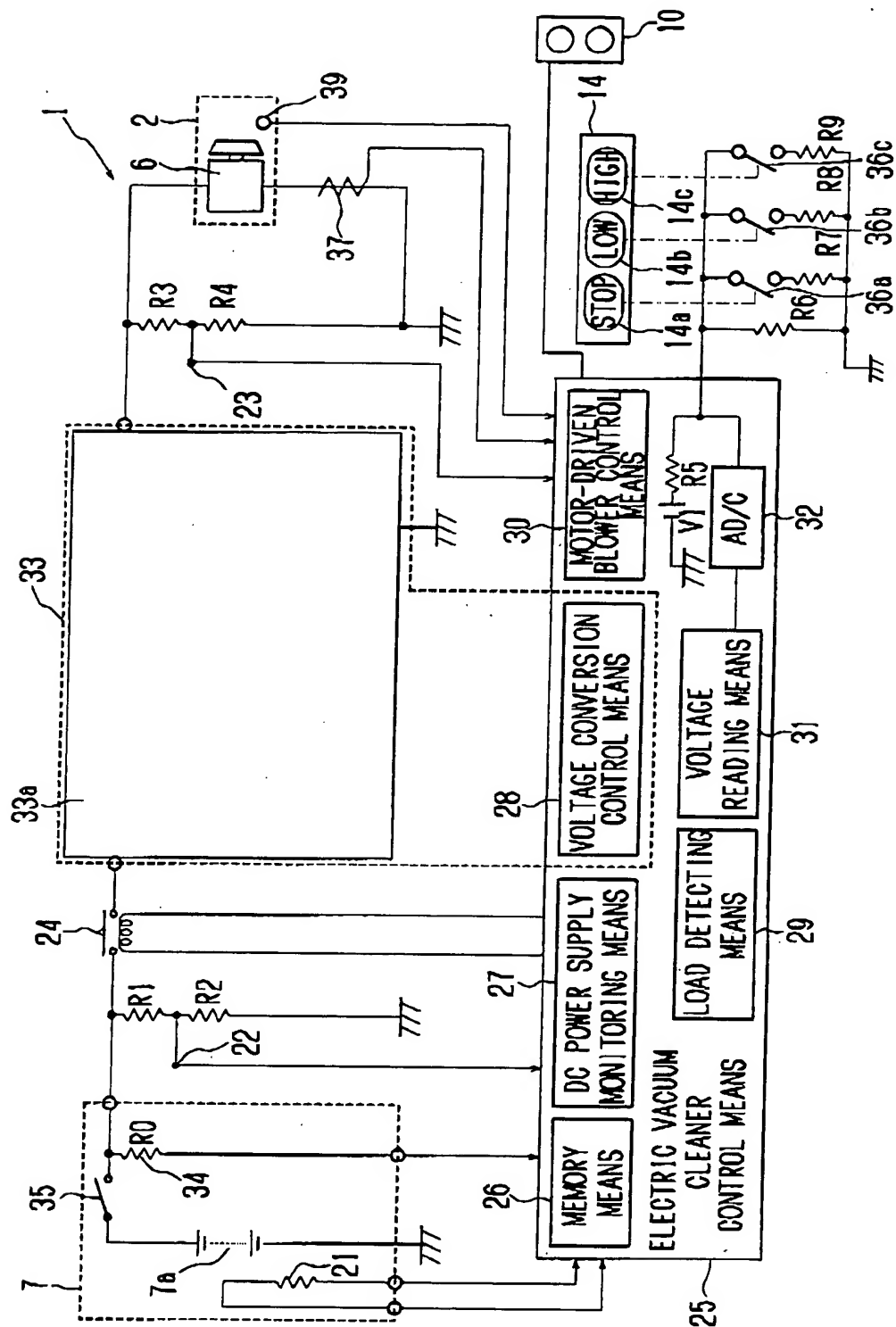


Fig. 3

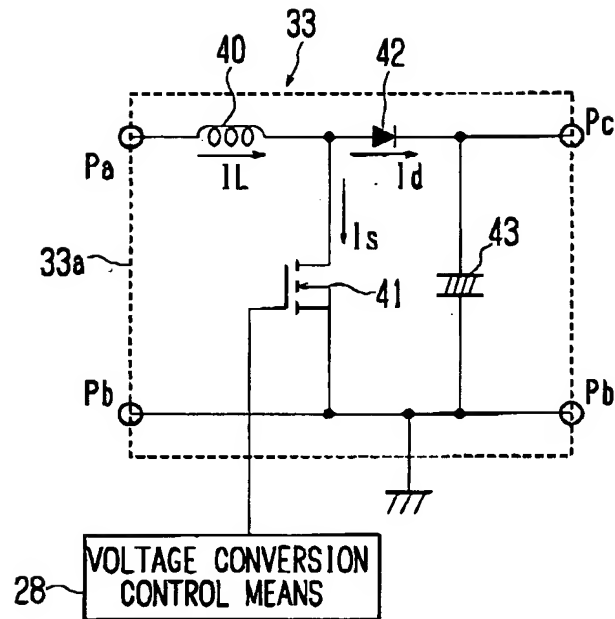


Fig. 4

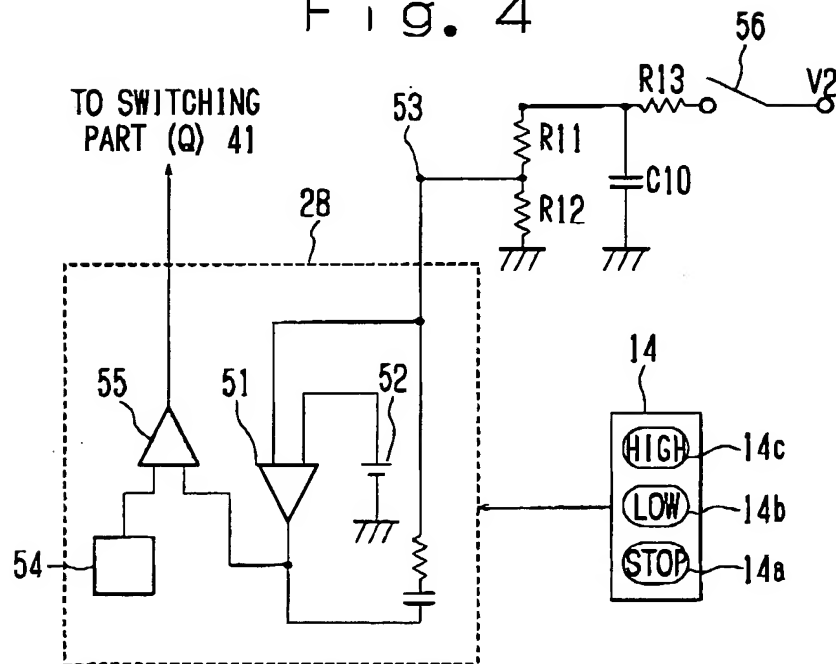


Fig. 5

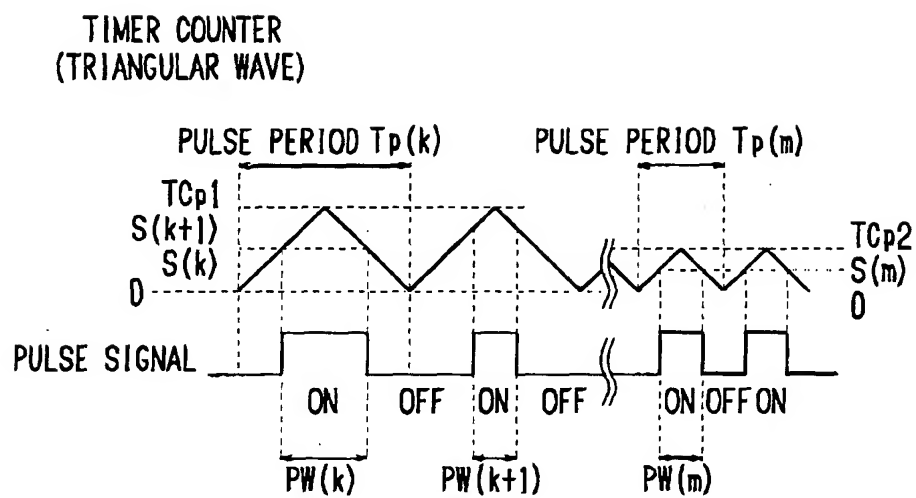


Fig. 6

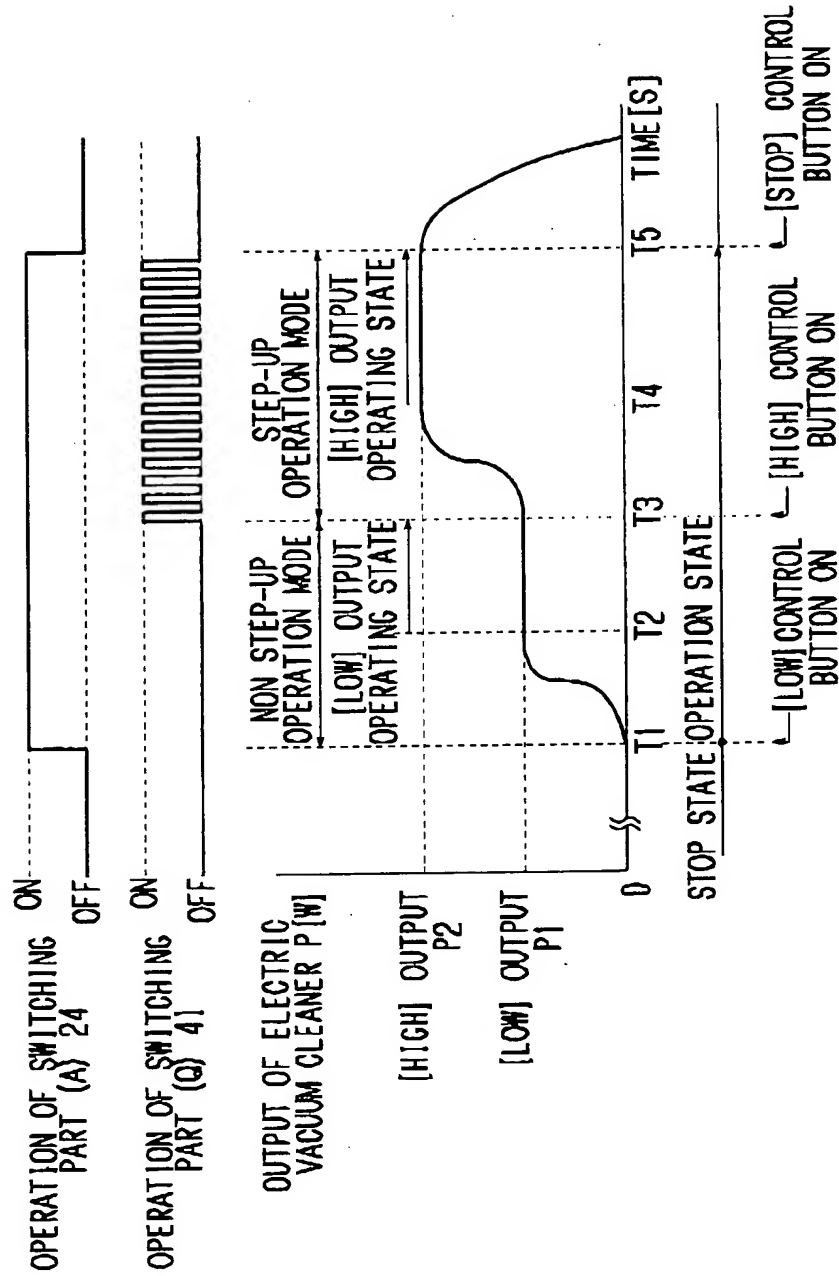


Fig. 7

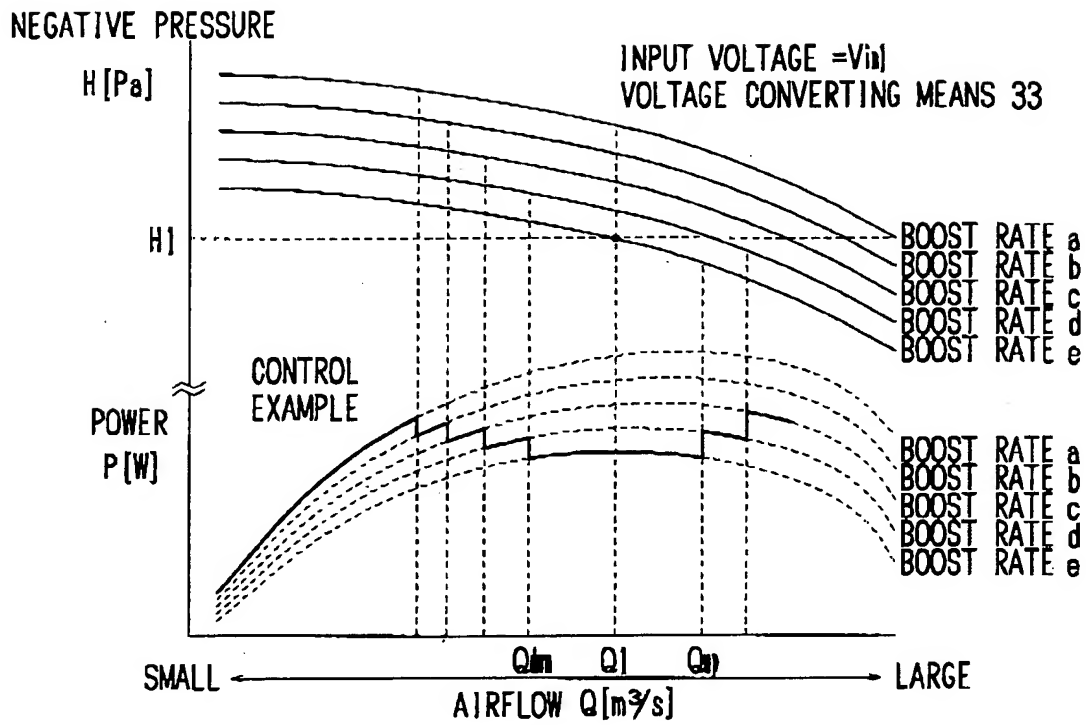


Fig. 8

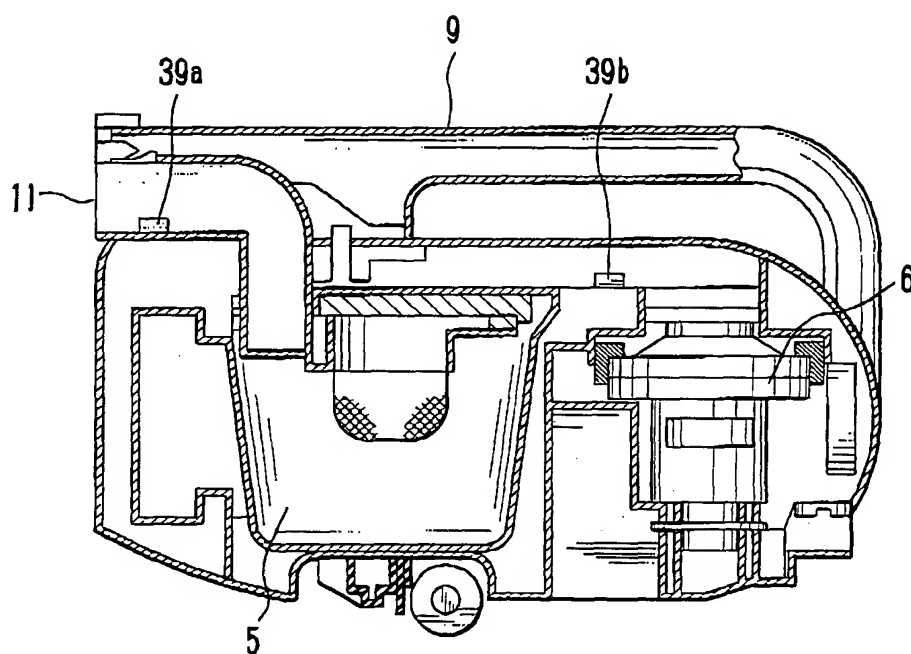


Fig. 9

BOOST RATE a

NEGATIVE PRESSURE	AIRFLOW
Ha_1	Qa_1
Ha_2	Qa_2
⋮	⋮
Ha_n-1	Qa_n-1
Ha_n	Qa_n

BOOST RATE b

NEGATIVE PRESSURE	AIRFLOW
Hb_1	Qb_1
Hb_2	Qb_2
⋮	⋮
Hb_n-1	Qb_n-1
Hb_n	Qb_n

BOOST RATE c

NEGATIVE PRESSURE	AIRFLOW
Hc_1	Qc_1
Hc_2	Qc_2
⋮	⋮
Hc_n-1	Qc_n-1
Hc_n	Qc_n

BOOST RATE d

NEGATIVE PRESSURE	AIRFLOW
Hd_1	Qd_1
Hd_2	Qd_2
⋮	⋮
Hd_n-1	Qd_n-1
Hd_n	Qd_n

BOOST RATE e

NEGATIVE PRESSURE	AIRFLOW
He_1	Qe_1
He_2	Qe_2
⋮	⋮
He_n-1	Qe_n-1
He_n	Qe_n



Fig. 10

INPUT VOLTAGE OF VOLTAGE CONVERTING MEANS 33 (OUTPUT VOLTAGE OF RECHARGEABLE BATTERY 10a)	RANGE OF AIRFLOW	BOOST RATE
$V_b \sim V_a$	$Q_{dwn\_a1} \sim Q_{up\_a1}$	$U_{x1}$
	$Q_{dwn\_b1} \sim Q_{up\_b1}$	$U_{x2}$
	$Q_{dwn\_c1} \sim Q_{up\_c1}$ , $Q_{dwn\_c2} \sim Q_{up\_c2}$	$U_{x3}$
	$Q_{dwn\_d1} \sim Q_{up\_d1}$ , $Q_{dwn\_d2} \sim Q_{up\_d2}$	$U_{x4}$
	$Q_{dwn\_e1} \sim Q_{up\_e1}$	$U_{x5}$
$V_c \sim V_b$	$Q_{dwn\_a2} \sim Q_{up\_a2}$	$U_{y1}$
	$Q_{dwn\_b2} \sim Q_{up\_b2}$	$U_{y2}$
	$Q_{dwn\_c3} \sim Q_{up\_c3}$ , $Q_{dwn\_c4} \sim Q_{up\_c4}$	$U_{y3}$
	$Q_{dwn\_d3} \sim Q_{up\_d3}$ , $Q_{dwn\_d4} \sim Q_{up\_d4}$	$U_{y4}$
	$Q_{dwn\_e2} \sim Q_{up\_e2}$	$U_{y5}$
$V_d \sim V_c$	$Q_{dwn\_a3} \sim Q_{up\_a3}$	$U_{z1}$
	$Q_{dwn\_b3} \sim Q_{up\_b3}$	$U_{z2}$
	$Q_{dwn\_c5} \sim Q_{up\_c5}$ , $Q_{dwn\_c6} \sim Q_{up\_c6}$	$U_{z3}$
	$Q_{dwn\_d5} \sim Q_{up\_d5}$ , $Q_{dwn\_d6} \sim Q_{up\_d6}$	$U_{z4}$
	$Q_{dwn\_e3} \sim Q_{up\_e3}$	$U_{z5}$
$\sim V_d$	NO BOOSTED	

Fig 11

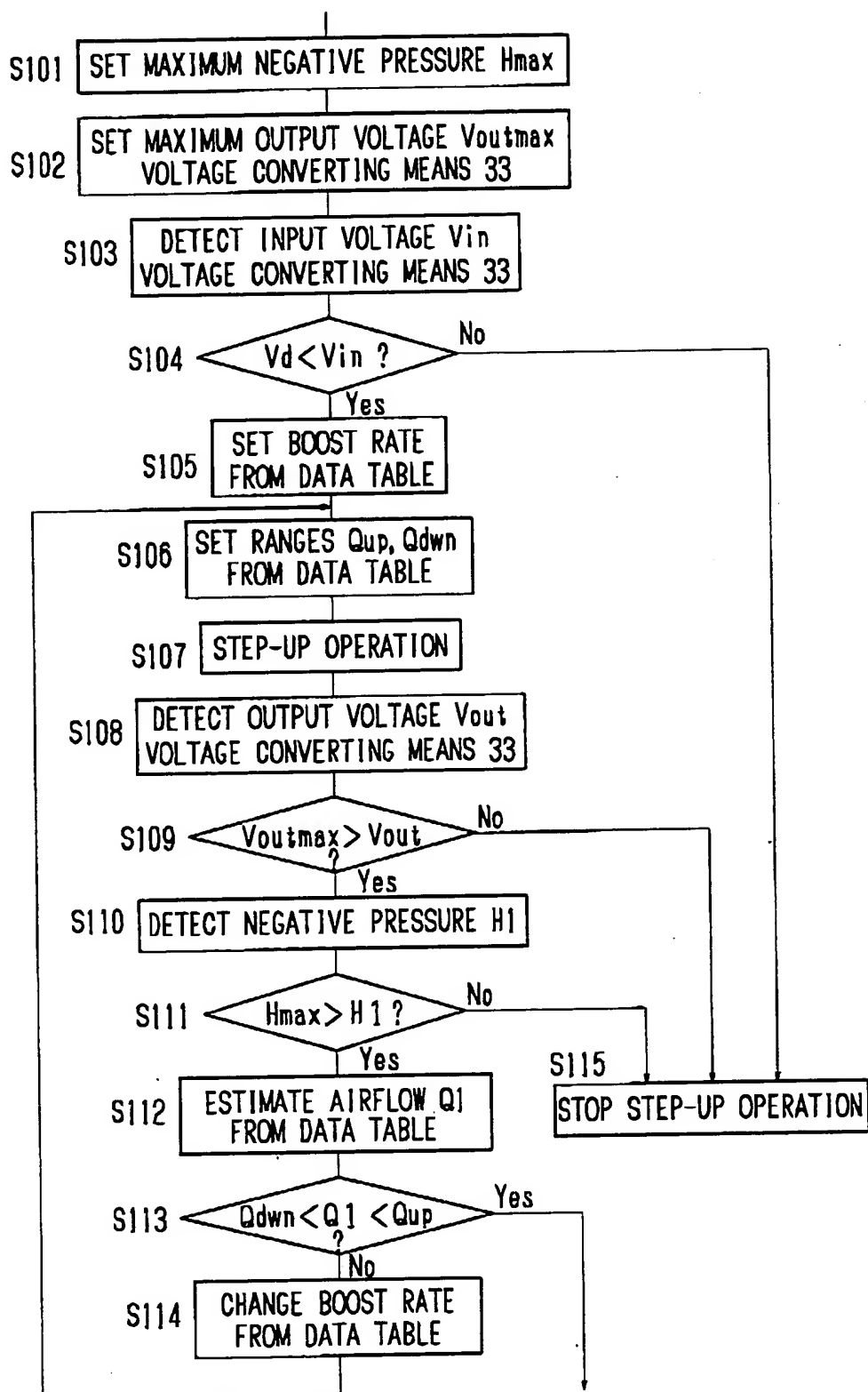


Fig. 12

INPUT VOLTAGE OF VOLTAGE CONVERTING MEANS 33 (OUTPUT VOLTAGE OF RECHARGEABLE BATTERY 10a)	RANGE OF CURRENT	BOOST RATE
$V_b \sim V_a$	$I_{\text{dwn\_a1}} \sim I_{\text{up\_a1}}$	$U_{\text{x6}}$
	$I_{\text{dwn\_b1}} \sim I_{\text{up\_b1}}$	$U_{\text{x7}}$
	$I_{\text{dwn\_c1}} \sim I_{\text{up\_c1}}, I_{\text{dwn\_c2}} \sim I_{\text{up\_c2}}$	$U_{\text{x8}}$
	$I_{\text{dwn\_d1}} \sim I_{\text{up\_d1}}, I_{\text{dwn\_d2}} \sim I_{\text{up\_d2}}$	$U_{\text{x9}}$
	$I_{\text{dwn\_e1}} \sim I_{\text{up\_e1}}$	$U_{\text{x10}}$
$V_c \sim V_b$	$I_{\text{dwn\_a2}} \sim I_{\text{up\_a2}}$	$U_{\text{y6}}$
	$I_{\text{dwn\_b2}} \sim I_{\text{up\_b2}}$	$U_{\text{y7}}$
	$I_{\text{dwn\_c3}} \sim I_{\text{up\_c3}}, I_{\text{dwn\_c4}} \sim I_{\text{up\_c4}}$	$U_{\text{y8}}$
	$I_{\text{dwn\_d3}} \sim I_{\text{up\_d3}}, I_{\text{dwn\_d4}} \sim I_{\text{up\_d4}}$	$U_{\text{y9}}$
	$I_{\text{dwn\_e2}} \sim I_{\text{up\_e2}}$	$U_{\text{y10}}$
$V_d \sim V_c$	$I_{\text{dwn\_a3}} \sim I_{\text{up\_a3}}$	$U_{\text{z6}}$
	$I_{\text{dwn\_b3}} \sim I_{\text{up\_b3}}$	$U_{\text{z7}}$
	$I_{\text{dwn\_c5}} \sim I_{\text{up\_c5}}, I_{\text{dwn\_c6}} \sim I_{\text{up\_c6}}$	$U_{\text{z8}}$
	$I_{\text{dwn\_d5}} \sim I_{\text{up\_d5}}, I_{\text{dwn\_d6}} \sim I_{\text{up\_d6}}$	$U_{\text{z9}}$
	$I_{\text{dwn\_e3}} \sim I_{\text{up\_e3}}$	$U_{\text{z10}}$
$\sim V_d$	NO BOOSTED	

Fig. 13

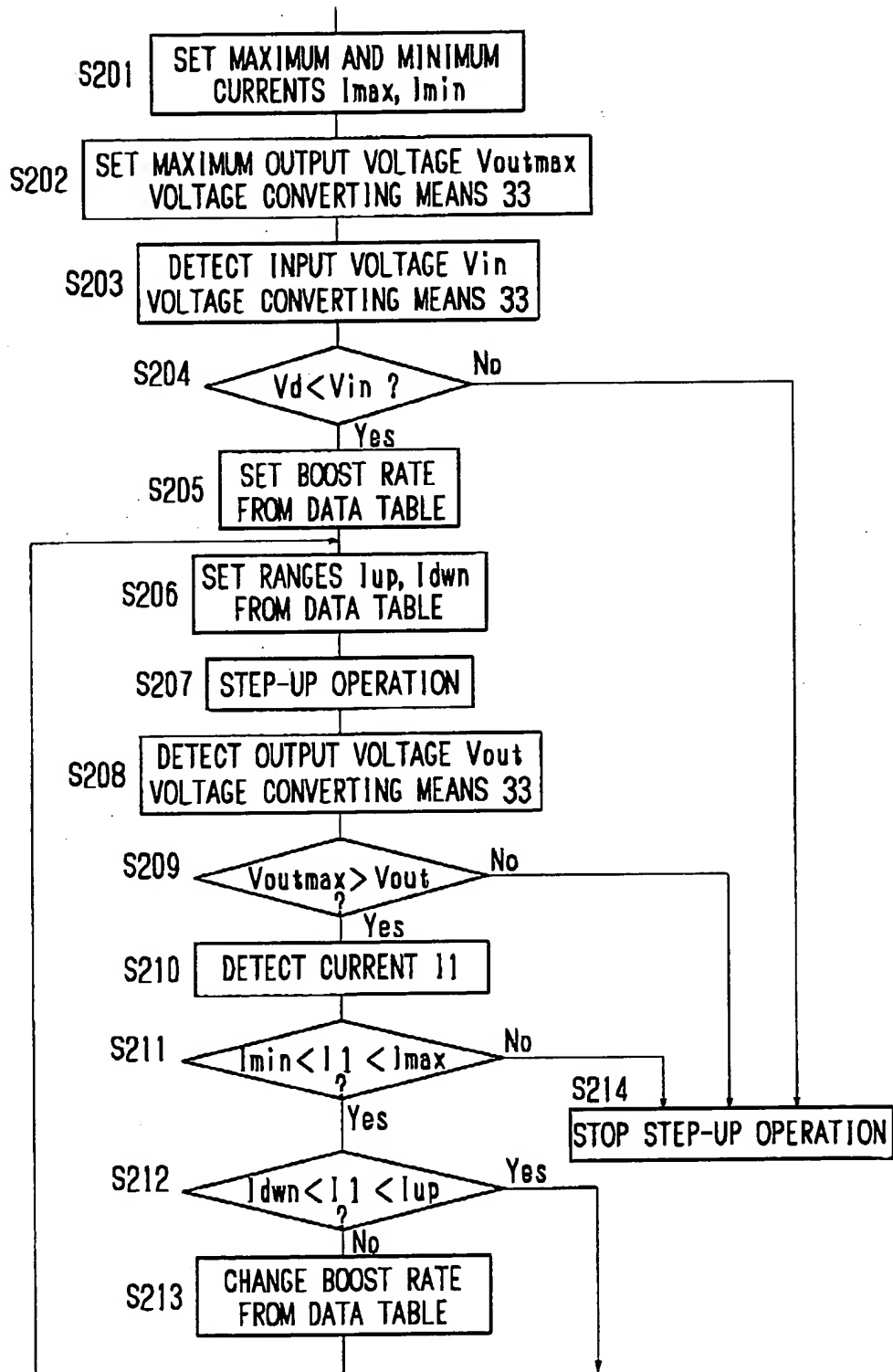


Fig. 14A

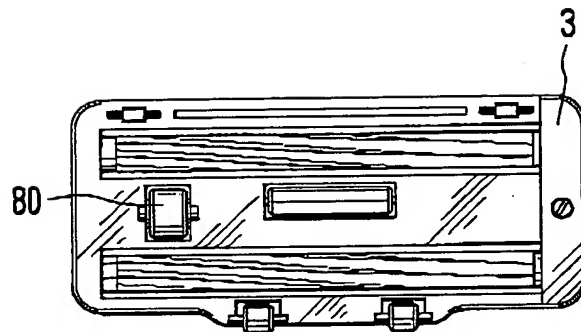


Fig. 14B

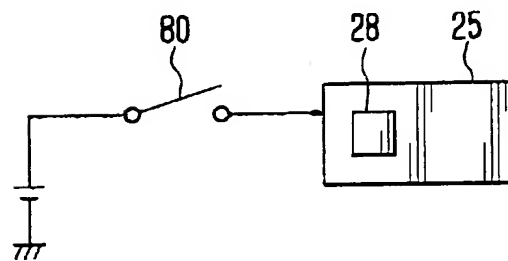


Fig. 15A

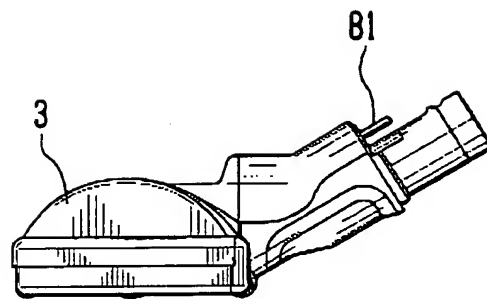


Fig. 15B

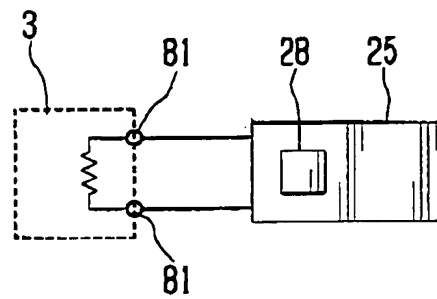


Fig. 16

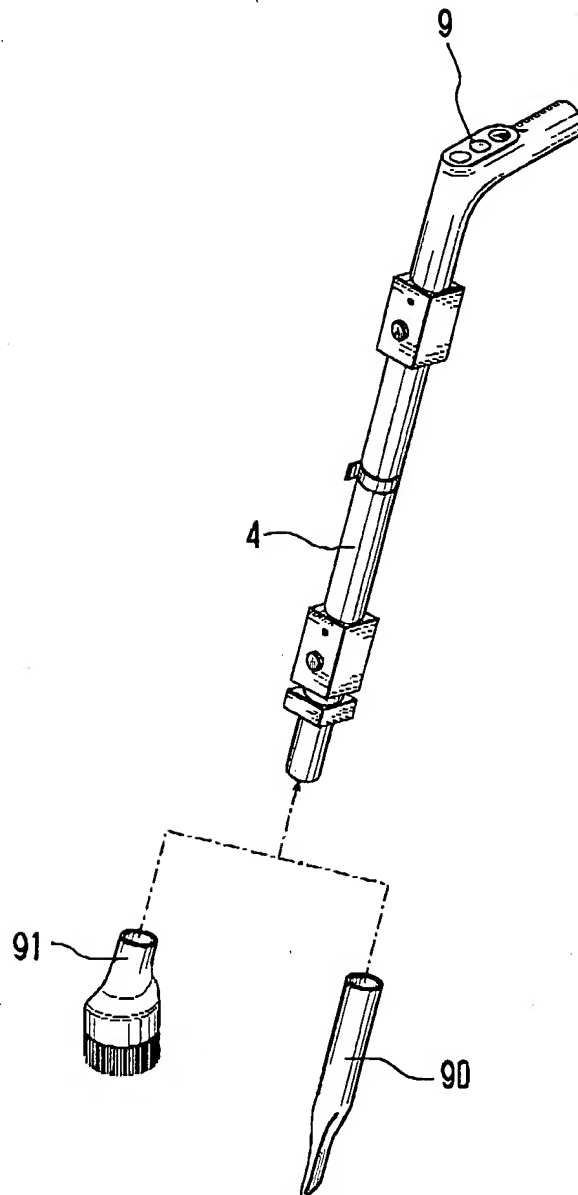


Fig. 17

